RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/522, 427 A_
Source: _IFW 16_
Date Processed by STIC: _03/08/2007_

ENTERED

RAW SEQUENCE LISTING   DATE: 03/08/2007
PATENT APPLICATION: US/10/522,427A   TIME: 14:49:23

Input Set : A:\73748 Sequence Listing.ST25.txt
Output Set: N:\CRF4\03082007\J522427A.raw


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 3 <110> APPLICANT: Horne, Irene Mary
 4          Russell, Robyn Joyce
 5          Oakeshott, John Graham
 6          Sutherland, Tara Deane
 8 <120> TITLE OF INVENTION: Expression System
10 <130> FILE REFERENCE: 10/522,427
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/522,427A
C--> 12 <141> CURRENT FILING DATE: 2005-09-02
12 <160> NUMBER OF SEQ ID NOS: 41
14 <170> SOFTWARE: PatentIn version 3.3
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 30
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Signal Sequence
24 <400> SEQUENCE: 1
26 Met Lys Lys Arg Arg Val Val Asn Ser Val Leu Leu Leu Leu Leu Leu
27 1               5                   10                  15
30 Ala Ser Ala Leu Ala Leu Thr Val Ala Pro Met Ala Lys Ala
31             20                  25                  30
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 46
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Signal Sequence
42 <400> SEQUENCE: 2
44 Met Glu Ala Arg Met Thr Gly Arg Arg Lys Val Thr Arg Arg Asp Ala
45 1               5                   10                  15
48 Met Ala Asp Ala Ala Arg Ala Val Gly Val Ala Cys Leu Gly Gly Phe
49             20                  25                  30
52 Ser Leu Ala Ala Leu Val Arg Thr Ala Ser Pro Val Asp Ala
53             35                  40                  45
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 41
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Signal Sequence
64 <400> SEQUENCE: 3
66 Met Ser Arg Ser Ala Lys Pro Gln Asn Gly Arg Arg Arg Phe Leu Arg
67 1               5                   10                  15
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70 Asp Val Val Arg Thr Ala Gly Gly Leu Ala Ala Val Gly Val Ala Leu
71             20                25                30
74 Gly Leu Gln Gln Gln Thr Ala Arg Ala
75           35                40
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 27
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Signal Sequence
86 <400> SEQUENCE: 4
88 Met Thr Trp Ser Arg Arg Gln Phe Leu Thr Gly Val Gly Val Leu Ala
89 1             5                10                15
92 Ala Val Ser Gly Thr Ala Gly Arg Val Val Ala
93             20                25
96 <210> SEQ ID NO: 5
97 <211> LENGTH: 27
98 <212> TYPE: PRT
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Signal Sequence
104 <400> SEQUENCE: 5
106 Met Asp Arg Arg Arg Phe Leu Thr Leu Leu Gly Ser Ala Gly Leu Thr
107 1             5                10                15
110 Ala Thr Val Ala Thr Ala Gly Thr Ala Lys Ala
111             20                25
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 37
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Signal Sequence
122 <400> SEQUENCE: 6
124 Met Ser Glu Lys Asp Lys Met Ile Thr Arg Arg Asp Ala Leu Arg Asn
125 1             5                10                15
128 Ile Ala Val Val Val Gly Ser Val Ala Thr Thr Thr Met Met Gly Val
129             20                25                30
132 Gly Val Ala Asp Ala
133           35
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 34
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Signal Sequence
144 <400> SEQUENCE: 7
146 Met Gln Ile Val Asn Leu Thr Arg Arg Gly Phe Leu Lys Ala Ala Cys
147 1             5                10                15
150 Val Val Thr Gly Gly Ala Leu Ile Ser Ile Arg Met Thr Gly Lys Ala
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151            20              25              30
154 Val Ala
158 <210> SEQ ID NO: 8
159 <211> LENGTH: 45
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Signal Sequence
166 <400> SEQUENCE: 8
168 Met Asn Asn Glu Glu Thr Phe Tyr Gln Ala Met Arg Arg Gln Gly Val
169 1               5              10              15
172 Thr Arg Arg Ser Phe Leu Lys Tyr Cys Ser Leu Ala Ala Thr Ser Leu
173            20              25              30
176 Gly Leu Gly Ala Gly Met Ala Pro Lys Ile Ala Trp Ala
177        35              40              45
180 <210> SEQ ID NO: 9
181 <211> LENGTH: 48
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Signal Sequence
188 <400> SEQUENCE: 9
190 Met Ser Thr Gly Thr Thr Asn Leu Val Arg Thr Leu Asp Ser Met Asp
191 1               5              10              15
194 Phe Leu Lys Met Asp Arg Arg Thr Phe Met Lys Ala Val Ser Ala Leu
195            20              25              30
198 Gly Ala Thr Ala Phe Leu Gly Thr Tyr Gln Thr Glu Ile Val Asn Ala
199        35              40              45
202 <210> SEQ ID NO: 10
203 <211> LENGTH: 50
204 <212> TYPE: PRT
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Signal Sequence
210 <400> SEQUENCE: 10
212 Met Lys Cys Tyr Ile Gly Arg Gly Lys Asn Gln Val Glu Glu Arg Leu
213 1               5              10              15
216 Glu Arg Arg Gly Val Ser Arg Arg Asp Phe Met Lys Phe Cys Thr Ala
217            20              25              30
220 Val Ala Val Ala Met Gly Met Gly Pro Ala Phe Ala Pro Lys Val Ala
221        35              40              45
224 Glu Ala
225     50
228 <210> SEQ ID NO: 11
229 <211> LENGTH: 26
230 <212> TYPE: PRT
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Signal Sequence
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236 <400> SEQUENCE: 11
238 Met Asn Arg Arg Asn Phe Ile Lys Ala Ala Ser Cys Gly Ala Leu Leu
239 1   5   10   15
242 Thr Gly Ala Leu Pro Ser Val Ser His Ala
243   20   25
246 <210> SEQ ID NO: 12
247 <211> LENGTH: 44
248 <212> TYPE: PRT
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Signal Sequence
254 <400> SEQUENCE: 12
256 Met Ser His Ala Asp Glu His Ala Gly Asp His Gly Ala Thr Arg Arg
257 1   5   10   15
260 Asp Phe Leu Tyr Tyr Ala Thr Ala Gly Ala Gly Thr Val Ala Ala Gly
261   20   25   30
264 Ala Ala Ala Trp Thr Leu Val Asn Gln Met Asn Pro
265   35   40
268 <210> SEQ ID NO: 13
269 <211> LENGTH: 44
270 <212> TYPE: PRT
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Signal Sequence
276 <400> SEQUENCE: 13
278 Met Thr Gln Ile Ser Gly Ser Pro Asp Val Pro Asp Leu Gly Arg Arg
279 1   5   10   15
282 Gln Phe Met Asn Leu Leu Thr Phe Gly Thr Ile Thr Gly Val Ala Ala
283   20   25   30
286 Gly Ala Leu Tyr Pro Ala Val Lys Tyr Leu Ile Pro
287   35   40
290 <210> SEQ ID NO: 14
291 <211> LENGTH: 32
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Signal Sequence
298 <400> SEQUENCE: 14
300 Met Asp Arg Arg Thr Phe Leu Arg Leu Tyr Leu Leu Val Gly Ala Ala
301 1   5   10   15
304 Ile Ala Val Ala Pro Val Ile Lys Pro Ala Leu Asp Tyr Val Gly Tyr
305   20   25   30
308 <210> SEQ ID NO: 15
309 <211> LENGTH: 42
310 <212> TYPE: PRT
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Signal Sequence
316 <400> SEQUENCE: 15

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318 Met Thr Lys Leu Ser Gly Gln Glu Leu His Ala Glu Leu Ser Arg Arg
319 1               5                   10                  15
322 Ala Phe Leu Ser Tyr Thr Ala Ala Val Gly Ala Leu Gly Leu Cys Gly
323             20                  25                  30
326 Thr Ser Leu Leu Ala Gln Gly Ala Arg Ala
327         35                  40
330 <210> SEQ ID NO: 16
331 <211> LENGTH: 31
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Signal Sequence
338 <400> SEQUENCE: 16
340 Met Thr Leu Thr Arg Arg Glu Phe Ile Lys His Ser Gly Ile Ala Ala
341 1               5                   10                  15
344 Gly Ala Leu Val Val Thr Ser Ala Ala Pro Leu Pro Ala Trp Ala
345             20                  25                  30
348 <210> SEQ ID NO: 17
349 <211> LENGTH: 31
350 <212> TYPE: PRT
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Signal Sequence
356 <400> SEQUENCE: 17
358 Met Thr Ile Ser Arg Arg Asp Leu Leu Lys Ala Gln Ala Ala Gly Ile
359 1               5                   10                  15
362 Ala Ala Met Ala Ala Asn Ile Pro Leu Ser Ser Gln Ala Pro Ala
363             20                  25                  30
366 <210> SEQ ID NO: 18
367 <211> LENGTH: 32
368 <212> TYPE: PRT
369 <213> ORGANISM: Artificial Sequence
371 <220> FEATURE:
372 <223> OTHER INFORMATION: Signal Sequence
374 <400> SEQUENCE: 18
376 Met Ser Glu Ala Leu Ser Gly Arg Gly Asn Asp Arg Arg Lys Phe Leu
377 1               5                   10                  15
380 Lys Met Ser Ala Leu Ala Gly Val Ala Gly Val Ser Gln Ala Val Gly
381             20                  25                  30
384 <210> SEQ ID NO: 19
385 <211> LENGTH: 45
386 <212> TYPE: PRT
387 <213> ORGANISM: Artificial Sequence
389 <220> FEATURE:
390 <223> OTHER INFORMATION: Signal Sequence
392 <400> SEQUENCE: 19
394 Met Lys Thr Lys Ile Pro Asp Ala Val Leu Ala Ala Glu Val Ser Arg
395 1               5                   10                  15
398 Arg Gly Leu Val Lys Thr Thr Ala Ile Gly Gly Leu Ala Met Ala Ser
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/08/2007
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Input Set : **A:\73748 Sequence Listing.ST25.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:41; Xaa Pos. 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:41; Xaa Pos. 24,25,26,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44
Seq#:41; Xaa Pos. 45,46,47,48,49,50,51,52,53

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:41

VERIFICATION SUMMARY   DATE: 03/08/2007
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:16
L:957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:32
L:961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:48